

Index to Volume 52 of MAYO CLINIC PROCEEDINGS

Abdominal bleeding: ovarian hematoma complicating anticoagulant therapy, 19

Abnormal chemotaxis in patients with cutaneous anergy, 196

Acetaminophen poisoning, hepatotoxicity in, 246

Achalasia in three siblings; rare occurrence, 97

ACTH: mineralocorticoid hypertension in childhood, 323

Addiction: tobacco chewing; unusual case of drug dependence, 358

Adenocarcinoma: carcinoma of endometrium; Mayo Clinic experience, 175

Adenoma: frequency of surgical treatment for hypertension in adults at the Mayo Clinic from 1973 through 1975, 549

Adrenal adenoma, feminizing, in boy; case report and literature review, 354

Adrenal cortex in human essential hypertension, role of, keynote address, 291

Adrenal tissue: role of 18-hydroxy-11-deoxycorticosterone and 16 α ,18-dihydroxy-11-deoxycorticosterone in hypertension, 317

Adrenergic nervous system: role of naturally occurring vasoactive principles in hypertension, 449

and hypertension; state of art, 361

Agreement among three different indices of sympathetic nervous system activity in essential hypertension, 379

Albers JW, 228

Albertini R, 459

Aldosterone regulation: in essential hypertension; altered adrenal responsiveness to angiotensin II, 312

new aspects of, 308

Alimentary tract: Crohn's disease involving esophagus and colon; case report, 35

independence of canine gastric and duodenal pacemaker potentials shown by electric pacing, 51

manifestations of multiple endocrine neoplasia, type 2b, 543

Allergic granulomatosis and angiitis (Churg-Strauss syndrome); report and analysis of 30 cases, 477

Allergic otitis media: middle ear effusions; current concepts, with a literature review, 497

Allografts: end-stage renal failure in juvenile diabetes mellitus; 5-year follow-up of treatment, 281

Alpha-1-antitrypsin deficiency and neonatal hepatitis; prognosis in five patients, 241

Altitude and hypertension, 442

Analysis of trochlear nerve palsies; diagnosis, etiology, and treatment, 11

Anderson KR, 569, 665

Angiotensin: pathogenic factors involved in renovascular hypertension, 417

role of calcium in response of rabbit aorta to, 427

sympathetic nerve hyperactivity in high-renin hypertension; effects of saralasin infusion, 369

tachyphylaxis, new approaches to study of, 446

Animal models, hypertension, and central nervous system mechanisms, 387

Ankylosing spondylitis: extra-articular manifestations of; editorial, 655

pleuropulmonary manifestations of, 641

Anorexia nervosa: hypothalamic-endocrine dysfunction in, 711

or, reading of laboratory values in; editorial, 748

Another prosthetic heart valve?; editorial, 824

Antifolics: gentamicin-resistant *Pseudomonas aeruginosa*; Mayo Clinic experience, 1970-1976, 797

Haemophilus endocarditis; report of 14 patients, 209

Anti-ties blood transfusion for patient who is difficult to transfuse, 160

Keypoint, Kx antigen, and chronic granulomatous disease, 150

Anticoagulant therapy, ovarian hematoma complicating, 19

Antidepressants, incidence of orthostatic hypotension in patients with primary affective disorders treated with tricyclic, 509

Antigen- A_h system; genetics and function, 141

Antihypertensive drugs: central nervous system actions of clonidine in hypertension, 395

Antimicrobial agents symposium: aminoglycosides; streptomycin, kanamycin, gentamicin, tobramycin, amikacin, neomycin, 675

antibiotic therapy for severe infections in infants and children, 707

antifungal agents used for deep-seated mycotic infections, 687

antimicrobial agents in patients with renal insufficiency, 704

antimicrobials commonly used for urinary tract infection; sulfonamides, trimethoprim-sulfamethoxazole, nitrofurantoin, nalidixic acid, 680

antituberculosis agents; isoniazid, rifampin, streptomycin, ethambutol, 694

antiviral agents, 683

cephalosporins, 625

foreword, 601

general principles of antimicrobial therapy, 603

laboratory tests used to guide antimicrobial therapy, 611

penicillins, 616

prophylactic use of antimicrobial agents, 701

tetracyclines, chloramphenicol, erythromycin, and clindamycin, 635

vancamycin, 631

Antimicrobial susceptibility of gentamicin-resistant *Pseudomonas aeruginosa*, 802

Antimicrobial therapy: triumph and challenges; editorial, 654

Antivisitation, first 100 years of—1824 to 1-24, 257

Antral mucosal webs, pyloric, 650

Aortic caliber, continuous measurement of, in conscious rats; effect of acute hypertension, 433

Aortic valve, diastolic opening of; echographic observation, 112

Arcila H, 383

Are there unknown mineralocorticoids in low-renin essential hypertension?, 329

Are we getting our money's worth?—PSRO, 468

Arteriovenous fistula, peripheral; detection by contrast echocardiography, 186

Artery, complete occlusion of left main coronary, and importance of coronary collateral circulation, 742

Artery disease, survival predictors in coronary, medical and surgical comparisons, 85

Arthroplasty: results after hemiarthroplasty of hip using cemented femoral prosthesis; review of 109 cases with average follow-up of 36 months, 349

Asbestos fibers, penetration of small intestinal mucosa by, 809

Aspiration, transtracheal; bacterial sputum cultures; clinician's viewpoint, 39

Assad-Morell JL, 85

Assessing quality of care; editorial, 255

Assessment of cell-mediated immunity in acute allograft rejection in man; prospective study, 101

Assessment, quality-of-care. II. Outpatient medical care following hospital dismissal after myocardial infarction, 220

Atherosclerotic disease: Menetrier's disease; effect of medical and surgical vagotomy, 91

Atrial pacing, transesophageal, in Wolff-Parkinson-White syndrome, 576

Atrioventricular canal, repair of, associated with membranous subaortic stenosis, 121

Atrioventricular connections: criss-cross heart; detailed anatomic description and discussion of morphogenesis, 569

Atrioventricular valve, straddling right, in criss-cross atrioventricular relationship, 561

Atropine: intra-His block with distal His pacemaker responsive to autonomic stimuli, 46

Audiovisual instruction: evaluation of patient education program for chronic obstructive pulmonary disease, 106

Auditory responses, brainstem; detection and localization of occult lesions with, 761

Auditory responses from brainstem; "far-field" but not so far offield; editorial, 823

Autogenic biofeedback treatment for migraine, 776

Autoimmune reaction: immune complexes (IgG and C3) at motor end-plate in myasthenia gravis; ultrastructural and light microscopic localization and electrophysiologic correlations, 267

Autonomic function, measurements of, before, during, and after transcutaneous stimulation in patients with chronic pain and in control subjects, 228

Axelrod J, 391

Bacteria: antimicrobials commonly used for urinary tract infection; sulfonamides, trimethoprim-sulfamethoxazole, nitrofurantoin, nalidixic acid, 680

Bacterial endocarditis: coryneform; difficulties in diagnosis and treatment, presentation of three cases, and review of literature, 126

diastolic opening of aortic valve; echographic observation, 112

Bacterial infection: cephalosporins, 625

general principles of antimicrobial therapy, 603

laboratory tests used to guide antimicrobial therapy, 611

penicillins, 616

sporadic case of pneumonia due to legionnaires' disease, 657

vancamycin, 631

Bacterial sputum cultures; clinician's viewpoint, 39

Bacteriology: antimicrobial susceptibility of gentamicin-resistant *Pseudomonas aeruginosa*, 802
 gentamicin-resistant *Pseudomonas aeruginosa*; Mayo Clinic experience, 1970-1976, 799
 recovery of group A and nongroup A β -hemolytic streptococci from throat swab specimens, 81
 should yeasts in respiratory secretions be identified?, 42
 Bagenstoss AH, 73
 Baker HL Jr, 586
 Balloon assist, intra-aortic; initial Mayo Clinic experience and current concepts, 723
 Barbour BH, 369
 Barnes KL, 387
 Barnhorst DA, 85, 723
 Baroreceptors: continuous measurement of aortic caliber in conscious rats; effect of acute hypertension, 433
 Bartholomew LG, 91
 Bass N, 437
 Battiste CE, 661
 Beard CM, 3, 8
 Beekenbaugh RD, 349
 Benson RC Jr, 3, 8
 Biliary cirrhosis, primary, hepatic subcellular distribution of copper in; comparison with other hyperhepatocupric states and review of literature, 73
 Biochemical and morphologic study of catecholamine metabolism in spontaneously hypertensive rats, 391
 Biofeedback, autogenic, treatment for migraine, 776
 Biogenetics: Gregor Johann Mendel and the beginning of genetics, 513
 Biologic maturity: antibiotic therapy for severe infections in infants and children, 707
 Biosynthesis of aldosterone: new aspects of aldosterone regulation, 308
 Black LF, 106
 Bleeding time, quantitative (hemorrhagometry); review, 238
 Blood: ovarian hematoma complicating anti-coagulant therapy, 19
 Blood circulation: straddling right atrioventricular valve in criss-cross atrioventricular relationship, 561
 Blood coagulation: vitamin K-responsive coagulopathy in Henoch-Schönlein purpura, 746
 Blood cultures: *Haemophilus* endocarditis; report of 14 patients, 209
 Blood group symposium: blood transfusion for patient who is difficult to transfuse, 160
 chronic granulomatous disease and McLeod phenotype; successful treatment of infection with granulocyte transfusions resulting in subsequent hemolytic transfusion reaction, 153
 erythrocyte morphology in genetic defects of Rh and Kell blood group systems, 157
 introduction to blood group genetics, 136
 Kell blood group, Kx antigen, and chronic granulomatous disease, 150
 mapping assignment of Rh and Duffy blood group genes to chromosome 1, 145
 preface, 135
 Rh system; genetics and function, 141
 Blood pressure: altitude and hypertension, 442
 animal models, hypertension, and central nervous system mechanisms, 387
 effect of guanidine on systemic and renal hemodynamics in arterial hypertension, 383
 new aspects of aldosterone regulation, 308
 pathogenic factors involved in renovascular hypertension, 417
 serum dopamine- β -hydroxylase activity, 374
 vascular renin-like activity, 437
 Bone, myxoma of; report of three cases, 249

Book reviews (Titles and Reviewers)
 Abdominal Surgery—ReMine WH, 338
 Acute Diarrhoea in Childhood—Taraska SP, 203
 Anorexia nervosa—Lucas AR, 833
 Atlas of Normal Roentgen Variants That May Simulate Disease—Forbes GS, 337
 Atlas of Pediatric Diseases—Burke EC, 470
 Atlas of Xeroradiography—Crowe JK, 756
 Blood Transfusion for Clinicians—Moore SB, 594
 Body Is Hero—Baker LS, 67
 Broncho-pulmonary Immunopathology—Solley GO, 470
 Cancer of Skin—Dicken CH, 337
 Case Studies in Echocardiography—Giuliani ER, 528
 Cerebral Arterial Disease—Whisnant JP, 405
 Cerebral Radionuclide Angiography—Wahner HW, 262
 Cervix—Noller KL, 592
 Clinical Oncology—Edmonson JH, 671
 Clinical Pediatric Nephrology—Velosa JA, 68
 Colposcopy—Fish CR, 757
 Communication and Awareness in Cancer Ward—Smithson WA, 594
 Complications of Urologic Surgery—Barrett DM, 260
 Controversy in Surgery—Edis AJ, 341
 Criminal Personality—Barry MJ Jr, 470
 Critical Surgical Care—Mucha P Jr, 592
 Current Obstetric & Gynecologic Diagnosis & Treatment—Malkasian GD Jr, 131
 Death, Dying, and the Biological Revolution—Moigne JG, 338
 Diagnostic Approach to Chest Diseases—Prakash UBS, 831
 Diseases of Newborn—Kleinberg F, 831
 Diseases of Salivary Glands—DeSanto LW, 340
 Disorders of Hemostasis—Hagedorn AB, 130
 Drugging of Americas—Morse RM, 340
 Drug-Induced Ocular Side Effects and Drug Interactions—Brubaker RF, 340
 Dynamic Radiology of Abdomen—Stephens DH, 337
 Endocrine Surgery—van Heerden JA, 130
 Endometrial Carcinoma and Its Treatment—Malkasian GD Jr, 528
 Fetal Physiology and Medicine—Kleinberg F, 754
 Fine Structure of Nervous System—Kerr FWL, 830
 Genetic Engineering—Dewald G, 262
 Genetic and Metabolic Deafness—Harrer SG, 203
 Growth and Its Disorders—Hayles AB, 592
 Haematological Aspects of Systemic Disease—Peitt RM, 672
 Hand—Linscheid RL, 671
 Handbook of Biology of Aging—Gedge SW, 833
 Handbook of Medical Acupuncture—Nauss LA, 129
 Heart and Coronary Arteries—Lie JT, 756
 Hemoglobinopathies—Fairbanks VF, 527
 Heroin Epidemics—Morse RM, 203
 Human Hemoglobins—Fairbanks VF, 670
 Immaculate Deception—Baker LS, 261
 Infectious Diseases of Fetus and Newborn Infant—Kleinberg F, 260
 Living With Cancer—Ahmann DL, 341
 Malabsorption—Green PA, 592
 Mammography—Gisvald JJ, 529
 Management of Urological Patient—Leary FJ, 337
 Manual of Contact Dermatitis—Iden DL, 202
 Myelin—Dyck PJ, Yao JK, 670
 Neuropsychology of Memory—Chutkow JG, 202
 Nutritional Support of Medical Practice—Nelson RA, 757

Pain—Nauss LA, 527
 Pain—Swanson DW, 260
 Pathological Basis of Renal Disease—Donadio JV Jr, 527
 Pathology in Gynecology and Obstetrics—Gaffey TA, 670
 Pathology of Testis—Bahn RC, 339
 Pediatric Drug Handbook—Martin DM, 832
 Pediatric Echocardiography—Seward JB, 754
 Pituitary and Parapituitary Tumors—Bahn RC, 593
 Practical Ophthalmic Plastic and Reconstructive Surgery—Irons GB Jr, 68
 Principles and Practice of Clinical Trials—McDuffie FC, 831
 Proceedings of Symposium on Molecular and Cellular Aspects of Sickle Cell Disease—Phyllyk RL, 260
 Psoriasis—Su WPD, 830
 Psychosomatic Medicine—Graf JA, 471
 Psychotherapeutic Drugs—Rosenbaum AH, 593
 Psychotherapy in Chronic Ulcerative Colitis—Martin MJ, 756
 Recent Advances in Blood Coagulation—Gilchrist GS, 829
 Recent Advances in Clinical Virology—Smith TF, 595
 Recent Advances in Dermatology—Winkelmann RK, 754
 Recent Advances in Gastroenterology—Di-Magno EP, 471
 Respiratory Defense Mechanisms—Divertib MB, 830
 Shoulders of Giants—Linscheid RL, 755
 Suicidal Patient—Milliner EK, 503
 Text-Atlas of Hematology—Holcomb GR, 261
 Textbook of Gynecology—Malkasian GD, Jr, 341
 Textbook of Ophthalmology—Younge BR, 756
 Theory of Binocular Vision—Martens TG, 753
 Urologic Pathology—Farrow GM, 829
 Vitreoretinal Disorders—Buetner H, 130
 Well-Meaned Advice From 1794 to 1905—Roland CG, 405
 Year Book of Family Practice—Collins JB, 829
 Books by Mayo Clinic authors; reviews: An Annotated Checklist of Osleriana, by Earl F. Nation, Charles G. Roland, and John P. McGovern (reviewed by A.M. Harvey), 591
 Atrioventricular Canal Defects, edited by Robert H. Feldt (reviewed by J. H. Moller), 591
 Clinical Pediatric Urology, by Panayotis P. Kelalis, Lowell R. King, and A. Barry Belman (reviewed by H. M. Spence), 403
 The Heart and Circulation, by Peter A. Chevalier (reviewed by P. R. Lynch), 129
 The Ileal Pouch Procedure: A New Outlook for the Person With an Ileostomy, by Barbara G. Cox and Arlene A. Wentworth (reviewed by R. B. Turnbull, Jr.), 202
 Looking Forward: A Guidebook for the Laryngectomee, by Robert L. Keith, Howard C. Shane, Harvey L. C. Coates, and Kenneth D. Devine (reviewed by J. C. Shanks), 591
 The Monoclonal Gammopathies: Multiple Myeloma and Related Plasma-Cell Disorders, by Robert A. Kyle and Edwin D. Bayrd (reviewed by M. C. Perry), 403
 Speech and Language Rehabilitation: A Workbook for the Neurologically Impaired (Vol 2), by Robert L. Keith (reviewed by E. G. Ritter), 753
 You and Leukemia: A Day at a Time, by Lynn S. Baker, Charles G. Roland, and Gerald

S. Gilchrist (reviewed by J. Z. Finklestein), 129
 Born GF, 509
 Boucher R, 291
 Bowie EJW, 238
 Brain damage: concussion, 492
 Brainstem auditory responses, detection and localization of occult lesions with, 761
 Brainstem, auditory responses from, "far-field" but not so far afield; editorial, 823
 Bravo EL, 308
 Breast cancer: clinical evaluation of computerized tomographic mammography, 181
 Brewer NS, 675
 Brian DD, 24
 Bronchial asthma: allergic granulomatosis and angitis (Churg-Strauss syndrome); report and analysis of 30 cases, 477
 Bronchopleural fistula: pleuropulmonary manifestations of ankylosing spondylitis, 641
 Brosnihan KB, 387
 Brown AL Jr, 400, 809
 Brown LR, 345
 Brown RD, 289
 Brzica WM Jr, 153, 157, 160
 Buckingham JM, 101
 Bullous and cicatricial pemphigoid; clinical, histopathologic, and immunopathologic correlations, 54
 Bumpus FM, 308, 417, 446
 Bupicidine- and hydralazine-induced increase in plasma renin activity in hypertensive patients, physiologic mechanisms of, 430

Cabrera RR, 424
 Calcium in response of rabbit aorta to angiotensin, role of, 427
 Cameron AJ, 246, 806
 Campbell RJ, 504
 Campese V, 369
 Canal, repair of atrioventricular, associated with membranous subaortic stenosis, 121
 Cancer: malignant melanoma in resident population of Rochester, Minnesota, 191
 myxoma of bone; report of three cases, 249
 Canine gastric and duodenal pacemaker potentials, independence of, shown by electric pacing, 51
 Carcinoma: of endometrium; Mayo Clinic experience, 175
 esophageal, in Olmsted County, Minnesota, 1935-1971, 24
 incidence of malignant testicular tumors in population of Rochester, Minnesota, 1935 through 1974, 8
 Cardiac lymphatic obstruction; ultrastructure of acute-phase myocardial injury in dogs, 785
 Cardiac studies: intra-His block with distal His pacemaker responsive to autonomic stimuli, 46
 Cardiac surgery: function of expanded-polytetrafluoroethylene laminated trileaflet valves in animals, 770
 Cardiomyopathy, congestive, in Noonan's syndrome, 661
 Cardiovascular stimulation: agreement among three different indices of sympathetic nervous system activity in essential hypertension, 379
 Carney JA, 543
 Carotid and vertebral-basilar transient cerebral ischemic attacks; community study, Rochester, Minnesota, 117
 Carretero OA, 465
 Carter ET, 220
 Cartilage NEF, 117
 Catecholamine metabolism, biochemical and morphologic study of, in spontaneously hypertensive rats, 391

Causes of hypertension, surgically correctable; editorial, 585
 C-cell disease: alimentary tract manifestations of multiple endocrine neoplasia, type 2b, 543
 Cell-mediated immunity, assessment in acute allograft rejection in man; prospective study, 101
 Central nervous system: actions of clonidine in hypertension, 395
 mechanisms, and animal models in hypertension, 387
 Cephalosporins, 625
 Chamberlin BC, 485
 Changes, editorial, 469
 Chaska NL, 813
 Chemotaxis, abnormal, in patients with cutaneous anergy, 196
 Chesbro JH, 742
 Chewing, tobacco; unusual case of drug dependence, 358
 Chloramphenicol, tetracyclines, erythromycin, and clindamycin, 635
 Chromosomes: introduction to blood group genetics, 136
 mapping assignment of Rh and Duffy blood group genes to chromosome 1, 145
 Chronic granulomatous disease and McLeod phenotype; successful treatment of infection with granulocyte transfusions resulting in subsequent hemolytic transfusion reaction, 153
 Chronic obstructive pulmonary disease, evaluation of patient education program for, 106
 Chronic pain: measurements of autonomic function before, during, and after transcutaneous stimulation in patients with chronic pain and in control subjects, 228
 patient, psychiatric consultation in, 793
 Chumbley LC, 477
 Churg-Strauss syndrome (allergic granulomatosis and angitis); report and analysis of 30 cases, 477
 Cicatricial and bullous pemphigoid; clinical, histopathologic, and immunopathologic correlations, 54
 Ciliary vessels: primary intraorbital meningioma with intraocular extension, 504
 Circulatory effects of prostaglandins, hypertension and interrelated renal, and the renin-angiotensin system, 462
 Cirrhosis: neonatal hepatitis and alpha-1-antitrypsin deficiency; prognosis in five patients, 241
 Clinical evaluation of computerized tomographic mammography, 181
 Coagulopathy: vitamin K-responsive, in Hénoch-Schönlein purpura, 746
 Coccycgodynia: tension myalgia of pelvic floor, 717
 Cohen SN, 216
 Communications: student response system; 5-year Mayo Medical School experience, 556
 Compagno LT, 433
 Complete occlusion of left main coronary artery and importance of coronary collateral circulation, 742
 Complexes, immune (IgG and C3), at motor end-plate in myasthenic gravis; ultrastructural and light microscopic localization and electrophysiologic correlations, 267
 Computed tomography, use in detection of pulmonary nodules, 345
 Computer study: value of gastroscopy in clinical diagnosis; computer-assisted study, 806
 Concussion, 492
 Congenital malformations: incidence and outcome of mumps orchitis in Rochester, Minnesota, 1935 to 1974, 3

Congenital papillary tumor of tricuspid valve; unusual cause of right ventricular outflow obstruction in neonate with trisomy E, 665
 Congestion: human nasal cycle, 28
 Connolly DC, 85
 Consumer: medical sociology for whom?, 813
 Continuous measurement of aortic caliber in conscious rats; effect of acute hypertension, 433
 Contrast echocardiography: detection of peripheral arteriovenous fistula, 186
 Copper, hepatic subcellular distribution of, in primary biliary cirrhosis; comparison with other hyperhepatocupric states and review of literature, 73
 Copper deposition: ophthalmologic manifestations of Wilson's disease, 409
 Coronary artery disease, survival predictors in; medical and surgical comparisons, 85
 Coronary care: programmed ventricular stimulation in management of recurrent ventricular tachycardia, 731
 Coronary disease: *Haemophilus* endocarditis; report of 14 patients, 209
 Cortex, role of adrenal, in human essential hypertension; keynote address, 291
 Coryneform bacterial endocarditis; difficulties in diagnosis and treatment, presentation of three cases, and review of literature, 216
 Cost, health care; role of physician; editorial, 519
 Counterpulsation: intra-aortic balloon assist; initial Mayo Clinic experience and current concepts, 723
 Criss-cross atrioventricular relationship, straddling right atrioventricular valve in, 561
 Criss-cross heart; detailed anatomic description and discussion of morphogenesis, 569
 Crohn's disease involving esophagus and colon; case report, 35
 Crossmatch: blood transfusion for patient who is difficult to transfuse, 160
 Crowe JK, 345, 399
 Croxatto HR, 459
 Cryptococcal meningitis: antifungal agents used for deep-seated mycotic infections, 687
 Cultures, bacterial sputum; clinician's viewpoint, 39
 Curtis JJ, 723
 Cystic disease, medullary, and juvenile nephropathy, 485
 Cystinuria, clinical features and management of, 533

Dahlberg PJ, 533
 Dahlin DC, 249
 Dale SL, 317
 Danielson GK, 85, 723
 Darley FL, 163
 Davis GD, 561, 569
 Depression: psychiatric consultation in chronic pain patient, 793
 DeQuattro V, 369, 379
 DeRemee RA, 477
 Detection and localization of occult lesions with brainstem auditory responses, 761
 De Vito E, 424
 Dewald GW, 513
 Diabetes mellitus, end-stage renal failure in juvenile; 5-year follow-up of treatment, 281
 Diabetic, end-stage renal disease in; editorial, 335
 Diabetic retinopathy treated by sectioning pituitary stalk; prolonged follow-up in, 233
 Diastolic opening of aortic valve; echographic observation, 112

Dickson ER, 73
 Dietary sodium: aldosterone regulation in essential hypertension; altered adrenal responsiveness to angiotensin II, 312
 Diplopia: analysis of trochlear nerve palsies; diagnosis, etiology, and treatment, 11
 Disease-causing bacteria: recovery of group A and nongroup A β -hemolytic streptococci from throat swab specimens, 81
 Distal His pacemaker responsive to autonomic stimuli, intra-His block with, 46
 Dluhy RG, 312
 Dopamine- β -hydroxylase activity, serum, and blood pressure, 374
 Doxycycline: sporadic case of pneumonia due to legionnaires' disease, 657
 Dozois RR, 91
 Drug-receptor interaction: new approaches to study of angiotensin tachyphylaxis, 446
 Drugs: central nervous system actions of clonidine in hypertension, 395
 hepatotoxicity in acetaminophen poisoning, 246
 tobacco chewing; unusual case of drug dependence, 358
 Duffy and Rh blood group genes to chromosome 1, mapping assignment of, 145
 Duodenal and canine gastric pacemaker potentials, independence of, shown by electric pacing, 51
 Dystonia, patterns of ("I-D-I" and "D-I-D") in response to L-dopa therapy for Parkinson's disease, 163

Ear effusions, middle; current concepts, with a literature review, 497
 Ebersold MJ, 228
 Echocardiography, contrast; detection of peripheral arteriovenous fistula by, 186
 Echographic observation of aortic valve diastolic opening, 112
 Editorials: another prosthetic heart valve?, 824
 antimicrobial therapy; triumphs and challenges, 654
 assessing quality of care, 255
 auditory responses from brainstem; "far-field" but not so far afield, 823
 editorial changes, 469
 editorials, 254
 end-stage renal disease in diabetic, 335
 extra-articular manifestations of ankylosing spondylitis, 655
 health care cost; role of physician, 519
 infective endocarditis—changing spectrum?, 254
 meaning of laboratory values in anorexia nervosa, 748
 myasthenia gravis, 334
 nosology of pulmonary vasculitides, 520
 planning and scanning, 586
 PSRO—are we getting our money's worth?, 468
 reflections on indenturing of medical students, 751
 saccharin; bittersweet alternatives, 400
 scanning and planning, 399
 selection of medical students; case for imponderable qualities, 588
 surgically correctable causes of hypertension, 585
 tension myalgia, 750
 Education: medical sociology for whom?, 813
 Effect of guanacetyline on systemic and renal hemodynamics in arterial hypertension, 383
 Electric pacing, independence of canine gastric and duodenal pacemaker potentials shown by, 51
 Electrolytic strain gauge: continuous measurement of aortic caliber in conscious rats; effect of acute hypertension, 433
 Electronic system: student response system; 5-year Mayo Medical School experience, 556
 Elveback LR, 3, 8, 85, 117
 Embryogenesis: criss-cross heart; detailed anatomic description and discussion of morphogenesis, 569
 Emotional disorder: psychiatric consultation in chronic pain patient, 793
 Endocarditis: coryneform bacterial; difficulties in diagnosis and treatment, presentation of three cases, and review of literature, 216
Haemophilus; report of 14 patients, 209
 prophylactic use of antimicrobial agents, 701
 vancomycin, 631
 Endocrine, hypothalamic, dysfunction in anorexia nervosa, 711
 Endocrine neoplasia, type 2b, alimentary tract manifestations of multiple, 543
 Endogenous renin: half-life of circulating renin under different experimental conditions, 424
 Endometrium, carcinoma of; Mayo Clinic experience, 175
 End-plate, immune complexes (IgG and C3) at motor, in myasthenia gravis; ultrastructural and light microscopic localization and electrophysiologic correlations, 267
 End-stage renal disease in diabetic, 335
 End-stage renal failure in juvenile diabetes mellitus; 5-year follow-up of treatment, 281
 Engel AG, 267
 Environment: altitude and hypertension, 442
 Enzymatic-isotopic studies: biochemical and morphologic study of catecholamine metabolism in spontaneously hypertensive rats, 391
 Eosinophilia: allergic granulomatosis and angiitis (Churg-Strauss syndrome); report and analysis of 30 cases, 477
 Ephraim McDowell; first five cases of ovariotomy, 1809 to 1818, 125
 Epidemiology: carotid and vertebral-basilar transient cerebral ischemic attacks; community study, Rochester, Minnesota, 117
 Incidence of malignant testicular tumors in population of Rochester, Minnesota, 1935 through 1974, 8
 incidence and outcome of mumps orchitis in Rochester, Minnesota, 1935 to 1974, 3
 Malignant melanoma in resident population of Rochester, Minnesota, 191
 Epinephrine: role of calcium in response of rabbit aorta to angiotensin, 427
 Erectile tissue: human nasal cycle, 28
 Erythrocyte morphology in genetic defects of Rh and Kell blood group systems, 157
 Erythromycin, tetracyclines, chloramphenicol, and clindamycin, 635
 Esler M, 369, 379
 Esophageal carcinoma in Olmsted County, Minnesota; 1935-1971, 24
 Esophagus: achalasia in three siblings; rare occurrence, 97
 and colon, Crohn's disease involving; case report, 35
 Essential hypertension: aldosterone regulation in; altered adrenal responsiveness to angiotensin II, 312
 low-renin; are there unknown mineralocorticoids in?, 329
 role of adrenal cortex in human; keynote address, 291
 sympathetic nervous system activity in; agreement among three different indices of, 379
 Estrogens: feminizing adrenal adenoma in boy; case report and literature review, 354
 Ethambutol, isoniazid, rifampin, streptomycin; antituberculosis agents, 694
 Evaluation of patient education program for chronic obstructive pulmonary disease, 106
 Expanded-polytetrafluoroethylene laminated tri-leaflet valves in animals, function of, 770
 Expectorated sputum: bacterial sputum cultures; clinician's viewpoint, 39
 Experimentation, animal: first 100 years of antivivisection—1824 to 1924, 257
 Fahrion SL, 776
 Fairbairn JF II, 186
 Feldt RH, 661
 Feliciano DV, 650
 Feminizing adrenal adenoma in boy; case report and literature review, 354
 Femoral prosthesis, cemented, results after hemiarthroplasty of hip using; review of 109 cases with average follow-up of 36 months, 349
 Femur: myxoma of bone; report of three cases, 249
 Ferguson DR, 246
 Ferguson RH, 641
 Ferrario CM, 387
 Fibrobullosus lesions: pleuropulmonary manifestations of ankylosing spondylitis, 641
 Fiddler GI, 121, 665
 Finck EJ, 369
 First 100 years of antivivisection—1824 to 1924, 257
 Fistula, peripheral arteriovenous; detection by contrast echocardiography, 186
 Florid retinopathy: prolonged follow-up in diabetic retinopathy treated by sectioning pituitary stalk, 233
 Frequency of surgical treatment for hypertension in adults at the Mayo Clinic from 1973 through 1975, 549
 Frohlich ED, 361
 Frye RL, 85, 742
 Fuller J, 97
 Function of expanded-polytetrafluoroethylene laminated tri-leaflet valves in animals, 770
 Fungi: antifungal agents used for deep-seated mycotic infections, 687

Gaffey TA, 35
 Gastric and duodenal pacemaker potentials, independence of canine, shown by electric pacing, 51
 Gastric vagotomy: Menetrier's disease; effect of medical and surgical vagotomy, 91
 Gastrointestinal obstruction: pyloric antral mucosal webs, 650
 Gastrointestinal tract: penetration of small intestinal mucosa by asbestos fibers, 809
 Gastroscopy, value of in clinical diagnosis; computer-assisted study, 806
 General principles of antimicrobial therapy, 603
 Genest J, 291
 Genetic defects of Rh and Kell blood group systems, erythrocyte morphology in, 157
 Genetic disease: achalasia in three siblings; rare occurrence, 97
 Genetics: and function of Rh system, 141
 introduction to blood group, 136
 urinary kallikrein in rats bred for susceptibility and resistance to hypertensive effect of salt and in New Zealand genetically hypertensive rats, 465
 Gentamicin-resistant *Pseudomonas aeruginosa*: antimicrobial susceptibility of, 802
 Mayo Clinic experience, 1970-1976, 797
 Gentamicin, tobramycin, amikacin, neomycin, streptomycin, kanamycin; aminoglycosides, 675

Geraci JE, 209, 216, 631
 Gharib H, 711
 Gisvold JJ, 181
 Giuliani ER, 112
 Gladen HE, 51
 Glucocorticoids: mineralocorticoid hypertension in childhood, 323
 Glue ear: middle ear effusions; current concepts, with a literature review, 497
 Goldstein NP, 73, 409
 Gonadal dysfunction: hypothalamic-endocrine dysfunction in anorexia nervosa, 711
 Goodrich JE, 257
 Graf JA, 358
 Granulomatosis, allergic, and angiitis (Churg-Strauss syndrome); report and analysis of 30 cases, 477
 Granulomatous disease: chronic, Kx antigen, and Kell blood group, 150
 chronic, and McLeod phenotype; successful treatment of infection with granulocyte transfusions resulting in subsequent hemolytic transfusion reaction, 153
 Gravis, myasthenia, 334
 Gregor Johann Mendel and the beginning of genetics, 513
 Greydanus DE, 497
 Grobecker H, 391
 Guanacine effect on systemic and renal hemodynamics in arterial hypertension, 383
 Guillaume Dupuytren, who feared nothing but mediocrity, 819
 Gura GM, 742
 Gynecomastia: feminizing adrenal adenoma in boy; case report and literature review, 354

Haemophilus endocarditis; report of 14 patients, 209
 Hagg GE, 485
 Hagler DJ, 561, 569
 Harrison CE Jr, 723
 Harrison EG, 477
 Hartzler GO, 46, 576, 731
 Hasegawa M, 28
 Hayes JR, 509
 Hayles AB, 354, 543
 Headache: autogenic biofeedback treatment for migraine, 776
 Health care: cost; role of physician; editorial, 519
 medical sociology for whom?, 813
 Heart: cardiac lymphatic obstruction; ultrastructure of acute-phase myocardial injury in dogs, 785
 complete occlusion of left main coronary artery and importance of coronary collateral circulation, 742
 congenital papillary tumor of tricuspid valve; unusual cause of right ventricular outflow obstruction in neonate with trisomy E, 665
 congestive cardiomyopathy in Noonan's syndrome, 661
 corneform bacterial endocarditis; difficulties in diagnosis and treatment, presentation of three cases, and review of literature, 216
 criss-cross; detailed anatomic description and discussion of morphogenesis, 569
 diastolic opening of aortic valve; echographic observation, 112
 function of expanded-polytetrafluoroethylene laminated trileaflet valves in animals, 770
 intra-aortic balloon assist; initial Mayo Clinic experience and current concepts, 723
 programmed ventricular stimulation in management of recurrent ventricular tachycardia, 731
 quality-of-care assessment; outpatient medical care following hospital dismissal after myocardial infarction, 220
 repair of atrioventricular canal associated with membranous subaortic stenosis, 121
 straddling right atrioventricular valve in criss-cross atrioventricular relationship, 561
 survival predictors in coronary artery disease; medical and surgical comparisons, 85
 Heart valve, another prosthetic?, editorial, 824
 Hematoma, ovarian, complicating anticoagulant therapy, 19
 Hemolytic transfusion reaction, successful treatment of infection with granulocyte transfusions resulting in subsequent chronic granulomatous disease and McLeod phenotype, 153
 Hemorrhagometry (quantitative bleeding time); review, 238
 Henderson JW, 504
 Henoch-Schönlein purpura, vitamin K-responsive coagulopathy in, 746
 Henriksen RA,
 Hepatic subcellular distribution of copper in primary biliary cirrhosis; comparison with other hyperhepatocapric states and review of literature, 73
 Hepatitis, neonatal, and alpha-1-antitrypsin deficiency; prognosis in five patients, 241
 Hepatotoxicity in acetaminophen poisoning, 246
 Hereditary disorders: clinical features and management of cystinuria, 533
 Hermans PE, 196, 603, 683, 687
 Herpes simplex: antiviral agents, 683
 Hill RV, 468
 Hip, results after hemiarthroplasty of, using cemented femoral prosthesis; review of 109 cases with average follow-up of 36 months, 349
 Hirschberger M, 241
 His pacemaker responsive to autonomic stimuli, *intra-His* block with distal, 46
 Historical vignettes: Ephraim McDowell; first five cases of ovariotomy, 1809 to 1818, 125
 first 100 years of antivivisection—1824 to 1924, 257
 Gregor Johann Mendel and the beginning of genetics, 513
 Guillaume Dupuytren, who feared nothing but mediocrity, 819
 History, pain: psychiatric consultation in chronic pain patient, 793
 Hollenhorst RW, 409
 Hollifield JW, 329
 Hoobler SW, 395
 Host factors: antibiotic therapy for severe infections in infants and children, 707
 Howard CP, 354
 Howard FM Jr, 267
 Human nasal cycle, 28
 Hurd HP II, 711
 Hypersensitivity reactions: cephalosporins, 625
 Hypertension in adults at the Mayo Clinic from 1973 through 1975, frequency of surgical treatment for, 549
 Hypertension symposium: adrenergic nervous system and hypertension; state of art, 361
 agreement among three different indices of sympathetic nervous system activity in essential hypertension, 379
 aldosterone regulation in essential hypertension; altered adrenal responsiveness to angiotensin II, 312
 altitude and hypertension, 442
 animal models, hypertension, and central nervous system mechanisms, 387
 are there unknown mineralocorticoids in low-renin essential hypertension?, 329
 biochemical and morphologic study of catecholamine metabolism in spontaneously hypertensive rats, 391
 central nervous system actions of clonidine in hypertension, 395
 continuous measurement of aortic caliber in conscious rats; effect of acute hypertension, 433
 effect of guanidine on systemic and renal hemodynamics in arterial hypertension, 383
 foreword, 288
 half-life of circulating renin under different experimental conditions, 424
 hypertension and interrelated renal circulatory effects of prostaglandins and the renin-angiotensin system, 462
 mineralocorticoid hypertension in childhood, 323
 new approaches to study of angiotensin tachyphylaxis, 446
 new aspects of aldosterone regulation, 308
 pathogenic factors involved in renovascular hypertension, 417
 physiologic mechanisms of bupivacaine- and hydralazine-induced increase in plasma renin activity in hypertensive patients, 430
 renal kallikrein system, volemia, and renal hypertension, 459
 role of adrenal cortex in human essential hypertension; keynote address, 291
 role of calcium in response of rabbit aorta to angiotensin, 427
 role of 18-hydroxy-11-deoxycorticosterone and 16α,18-dihydroxy-11-deoxycorticosterone in hypertension, 317
 role of naturally occurring vasoactive principles in hypertension, 449
 serum dopamine-β-hydroxylase activity and blood pressure, 374
 sympathetic nerve hyperactivity in high-renin hypertension; effects of saralasin infusion, 369
 urinary kallikrein in rats bred for susceptibility and resistance to hypertensive effect of salt and in New Zealand genetically hypertensive rats, 465
 vascular renin-like activity and blood pressure, 437
 Hypoproteinemia: Menetrier's disease; effect of medical and surgical vagotomy, 91
 Hypotension, incidence of orthostatic, in patients with primary affective disorders treated with tricyclic antidepressants, 509
 Hypothalamic-endocrine dysfunction in anorexia nervosa, 711
 Hypothyroidism: bullous and cicatricial pemphigoid; clinical, histopathologic, and immunologic correlations, 54
 Hysterectomy: carcinoma of endometrium; Mayo Clinic experience, 175

Iodoxuridine: antiviral agents, 683
 Ileum: Crohn's disease involving esophagus and colon; case report, 35
 Illness behavior: medical sociology for whom?, 813
 Ilstrup DM, 101
 Imamura E, 770
 Immune complexes (IgG and C3) at motor end-plate in myasthenia gravis; ultrastructural and light microscopic localization and electrophysiologic correlations, 267
 Immunity, assessment of cell-mediated, in acute allograft rejection in man; prospective study, 101
 Incidence of malignant testicular tumors in population of Rochester, Minnesota, 1935 through 1974, 8
 Incidence of orthostatic hypotension in patients with primary affective disorders treated with tricyclic antidepressants, 509
 Incidence and outcome of mumps orchitis in Rochester, Minnesota, 1935 to 1974, 3
 Incidence rates: esophageal carcinoma in Olmsted County, Minnesota; 1935-1971, 24
 Indenting of medical students, reflections on; editorial, 751

Independence of canine gastric and duodenal pacemaker potentials shown by electric pacing, 51

Infant heart disease: congenital papillary tumor of tricuspid valve; unusual cause of right ventricular outflow obstruction in neonate with trisomy E, 665

Infection: abnormal chemotaxis in patients with cutaneous anergy, 196

antifungal agents used for deep-seated mycotic, 687

antimicrobial susceptibility of gentamicin-resistant *Pseudomonas aeruginosa*, 802

cephalosporins, 625

general principles of antimicrobial therapy, 603

gentamicin-resistant *Pseudomonas aeruginosa*; Mayo Clinic experience, 1970-1976, 797

in infants and children, antibiotic therapy for severe, 707

laboratory tests used to guide antimicrobial therapy, 611

penicillins, 616

tetracyclines, chloramphenicol, erythromycin, and clindamycin, 635

vancomycin, 631

Infective endocarditis—a changing spectrum?, 254

Inheritance: Gregor Johann Mendel and the beginning of genetics, 513

serum dopamine- β -hydroxylase activity and blood pressure, 374

Inherited disease: achalasia in three siblings; rare occurrence, 97

Inorganic pain: psychiatric consultation in chronic pain patient, 793

Instructional program: evaluation of patient education program for chronic obstructive pulmonary disease, 106

Insufficiency, renal, antimicrobial agents in patients with, 704

Interrelated renal circulatory effects of prostaglandins and hypertension and the renin-angiotensin system, 462

Intestinal mucosa, small, penetration by asbestos fibers, 809

Intra-abdominal bleeding: ovarian hematoma complicating anticoagulant therapy, 19

Intra-aortic balloon assist; initial Mayo Clinic experience and current concepts, 723

Intractable pain: measurements of autonomic function before, during, and after transcutaneous stimulation in patients with chronic pain and in control subjects, 228

Intra-His block with distal His pacemaker responsive to autonomic stimuli, 46

Intraorbital meningioma, primary, with intraocular extension, 504

Introduction to blood group genetics, 136

Ischemic attacks, transient cerebral, carotid and vertebral-basilar; community study, Rochester, Minnesota, 117

Ischemic kidney: half-life of circulating renin under different experimental conditions, 424

Island DP, 329

Isoniazid, rifampin, streptomycin, ethambutol; antituberculosis agents, 694

Jawbone: myxoma of bone; report of three cases, 249

Jejunum, rat: penetration of small intestinal mucosa by asbestos fibers, 809

Johnson EW, 349

Johnson WJ, 335

Juergens JL, 254, 469

Julius S, 379

Juvenile diabetes mellitus, end-stage renal failure in; 5-year follow-up of treatment, 281

Juvenile nephronophthisis and medullary cystic disease, 485

Kallikrein system, renal, volemia, and renal hypertension, 459

Kallikrein, urinary, in rats bred for susceptibility and resistance to hypertensive effect of salt and in New Zealand genetically hypertensive rats, 465

Kanamycin, gentamicin, tobramycin, amikacin, neomycin, streptomycin; aminoglycosides, 675

Karsell PR, 181

Kashima T, 395

Kaye MP, 770

Kayser-Fleischer rings: ophthalmologic manifestations of Wilson's disease, 409

Kozmier FJ, 19

Kelalis PP, 3, 8

Kell blood group, Kx antigen, and chronic granulomatous disease, 150

Kelly KA, 51

Kennel AJ, 220

Keratitis, antiviral agents, 683

Kern EB, 28

Ketosteroids: feminizing adrenal adenoma in boy; case report and literature review, 354

Keys TF, 657, 680, 797

Khairallah PA, 446

Khosa MC, 308, 417

Kidney: antimicrobial agents in patients with renal insufficiency, 704

clinical features and management of cystinuria, 533

half-life of circulating renin under different experimental conditions, 424

juvenile nephronophthisis and medullary cystic disease, 485

Klass DW, 823

Koch J, 465

Koninkx A, 424

Krieger EM, 433

Kuchel O, 291

Kurland LT, 3, 24, 191

Kurnjek ML, 437

Kurtz SB, 533

Labarthe DR, 549

Laboratory test used to guide antimicrobial therapy, 611

Laboratory values in anorexia nervosa, on meaning of; editorial, 748

Lambert EH, 267

Lamina propria: penetration of small intestinal mucosa by asbestos fibers, 809

Laws ER Jr, 228

L-dopa therapy for Parkinson's disease, patterns of dystonia ("I-D-I" and "D-I-D") in response to, 163

Lee RA, 19

Legionnaires' disease, sporadic case of pneumonia due to, 657

Leite JVP, 433

Lesions: Crohn's disease involving esophagus and colon; case report, 35

occult, detection and localization of with brainstem auditory responses, 761

Letters to editor: acetaminophen hepatotoxicity—Forrester D, 403

acetaminophen (paracetamol) poisoning; gastrointestinal side effects of cysteamine and their possible cause and treatment—Szabo S, 402

curable causes of hypertension—Gifford RW Jr, 827

effective titles—Payne V, 589

Ephraim McDowell—Passik CS, 523

estimation of arterial blood pressure—Rochid J, 589

Gregor Johann Mendel—Siegal GP, 590

pituitary ablation for diabetic retinopathy—Trautmann JC, 589

planning and scanning—Beringer GB, 826

PSRO—Simon JL, 523

saccharin—Zweig N, 523

selection of medical students—Vigman MP, 826

Leukocytes: abnormal chemotaxis in patients with cutaneous anergy, 196

Levator ani spasm syndrome: tension myalgia of pelvic floor, 717

Levine LS, 323

Lewis JC, 157

Liddle GW, 329

Lie JT, 520, 569, 661, 665, 785

Lindsay MI Jr, 220

Linear discriminant function analysis: survival predictors in coronary artery disease; medical and surgical comparisons, 85

Liver: hepatic subcellular distribution of copper in primary biliary cirrhosis; comparison with other hyperhepatocupric states and review of literature, 73

hepatotoxicity in acetaminophen poisoning, 246

neonatal hepatitis and alpha-1-antitrypsin deficiency; prognosis in five patients, 241

London FA, 97

Low-renin essential hypertension, are there unknown mineralocorticoids in?, 329

Low-renin hypertension: role of 18-hydroxy-11-deoxycorticosterone and 16 α ,18-dihydroxy-11-deoxycorticosterone in hypertension, 317

Lucas AR, 748

Ludwig J, 24, 556

Lungs: pleuropulmonary manifestations of ankylosing spondylitis, 641

sporadic case of pneumonia due to legionnaires' disease, 657

use of computed tomography in detection of pulmonary nodules, 345

Luthra HS, 655

Lymphatic obstruction, cardiac; ultrastructure of acute-phase myocardial injury in dogs, 785

Lymphocytes: assessment of cell-mediated immunity in acute allograft rejection in man; prospective study, 101

Mair DD, 121

Malignancy: esophageal carcinoma in Olmsted County, Minnesota; 1935-1971, 24

Malignant melanoma in resident population of Rochester, Minnesota, 191

Malignant testicular tumors, incidence of, in population of Rochester, Minnesota, 1935 through 1974, 8

Malkasian GD Jr, 175

Maloney JD, 46, 186, 561, 576, 731

Mammography, clinical evaluation of computerized tomographic, 181

Mankin HT, 220

Mann RJ, 819

Mapping assignment of Rh and Duffy blood group genes to chromosome 1, 145

Maran ES, 24

Marks SJ, 191

Marsh WL, 145, 150, 157

Maruta T, 793

Mayberry, WE, 519

Mayo Medical School experience, 5-year; student response system, 556

McColl JT, 73

McClure DK, 249

McCullough EC, 181

McDonald TJ, 497

McDonald TW, 175
 McDowell, Ephraim; first five cases of ovariectomy, 1809 to 1818, 125
 McGoon DC, 121, 561, 569
 McLeod phenotype and chronic granulomatous disease; successful treatment of infection with granulocyte transfusions resulting in subsequent hemolytic transfusion reaction, 153
 McNairy SL, 746
 McNay JL, 430
 Measurements of autonomic function before, during, and after transcutaneous stimulation in patients with chronic pain and in control subjects, 228
 Mediastinal granulomatous processes: Crohn's disease involving esophagus and colon; case report, 35
 Medical sociology for whom?, 813
 Medical students: reflections on indenturing of; editorial, 751
 selection of; case for imponderable qualities; editorial, 588
 Medullary cystic disease and juvenile nephronophthisis, 485
 Melby JC, 317
 Membranous subaortic stenosis, repair of atrioventricular canal associated with, 121
 Mendel, Gregor Johann, and the beginning of genetics, 513
 Menetrier's disease; effect of medical and surgical vagotomy, 91
 Meningioma, primary intraorbital, with intraocular extension, 504
 Merritt JL, 717
 Methyl dopa: patterns of dystonia ("I-D-I" and "D-I-D") in response to L-dopa therapy for Parkinson's disease, 163
 Methyl methacrylate: results after hemiarthroplasty of hip using cemented femoral prosthesis; review of 109 cases with average follow-up of 36 months, 349
 Miano L, 369
 Microbiology: antimicrobial susceptibility of gentamicin-resistant *Pseudomonas aeruginosa*, 802
 gentamicin-resistant *Pseudomonas aeruginosa*; Mayo Clinic experience, 1970-1976, 797
 recovery of group A and nongroup A β -hemolytic streptococci from throat swab specimens, 81
 Microorganisms: laboratory tests used to guide antimicrobial therapy, 611
 Microscopy: should yeasts in respiratory secretions be identified?, 42
 Middle ear effusions; current concepts, with a literature review, 497
 Migraine, autogenic biofeedback treatment for, 776
 Miller LJ, 35
 Millns JL, 746
 Mineralocorticoid hypertension in childhood, 323
 Mineralocorticoids: role of adrenal cortex in human essential hypertension; keynote address, 291
 role of 18-hydroxy-11-deoxycorticosterone and 16 α , 18-dihydroxy-11-deoxycorticosterone in hypertension, 317
 role of naturally occurring vasoactive principles in hypertension, 449
 unknown, in low-renin essential hypertension, are there?, 329
 Mitchell JC, 281
 Mitchell MM, 106, 556
 Miyamoto ME, 427
 Molnar GD, 233
 Mononuclear leukocytes: abnormal chemotaxis in patients with cutaneous anergy, 196
 Moore AF, 446
 Moore TJ, 312
 Morphologic and biochemical study of catecholamine metabolism in spontaneously hypertensive rats, 391
 Morphology, erythrocyte, in genetic defects of Rh and Kell blood group systems, 157
 Morse RM, 358
 Mucosal webs, pyloric antral, 650
 Mucous membranes: bullous and cicatricial pemphigoid; clinical, histopathologic, and immunopathologic correlations, 54
 Muenter MD, 163
 Muhm JR, 345, 641
 Mulder DW, 334
 Multiple endocrine neoplasia, type 2b, alimentary tract manifestations of, 543
 Multiple sclerosis: detection and localization of occult lesions with brainstem auditory responses, 761
 Mumps orchitis, incidence and outcome of, in Rochester, Minnesota, 1935 to 1974, 3
 Murray PR, 42, 81
 Muscles: analysis of trochlear nerve palsies; diagnosis, etiology, and treatment, 11
 Mutations: Rh system; genetics and function, 141
 Myalgia, tension; editorial, 750
 of pelvic floor, 717
 Myasthenia gravis; editorial, 334
 immune complexes (IgG and C3) at motor end-plate in; ultrastructural and light microscopic localization and electrophysiologic correlations, 267
 Mycotic infections, antifungal agents used for deep-seated, 687
 Myocardial infarction, outpatient medical care following hospital dismissal after; quality-of-care assessment, 220
 Myofibrillar degeneration: cardiac lymphatic obstruction; ultrastructure of acute-phase myocardial injury in dogs, 785
 Myxoma of bone; report of three cases, 249

Nakae CR, 427
 Nasal cycle, human, 28
 Neomycin, streptomycin, kanamycin, gentamicin, tobramycin, amikacin; aminoglycosides, 675
 Neonatal hepatitis and alpha-1-antitrypsin deficiency; prognosis in five patients, 241
 Neoplasia, type 2b, alimentary tract manifestations of multiple endocrine, 543
 Neoplasms: incidence of malignant testicular tumors in population of Rochester, Minnesota, 1935 through 1974, 8
 primary intraorbital meningioma with intraocular extension, 504
 Nephronophthisis, juvenile, and medullary cystic disease, 485
 Nerve hyperactivity, sympathetic, in high-renin hypertension; effects of saralasin infusion, 369
 Nerve palsies, analysis of trochlear; diagnosis, etiology, and treatment, 11
 Nervosa, anorexia, hypothalamic-endocrine dysfunction in, 711
 Nervous system: actions, central, of clonidine in hypertension, 395
 adrenergic, and hypertension; state of art, 361
 mechanisms, central, animal models, and hypertension, 387
 sympathetic, activity in essential hypertension, agreement among three different indices of, 379
 Neuronal system: patterns of dystonia ("I-D-I" and "D-I-D") in response to L-dopa therapy for Parkinson's disease, 163
 New MI, 323
 New approaches to study of angiotensin tachyphylaxis, 446
 New aspects of aldosterone regulation, 308
 Nichols DR, 654
 Nitrofurantoin, nalidixic acid, sulfonamides, trimethoprim-sulfamethoxazole; antimicrobials commonly used for urinary tract infection, 680
 Nobrega FT, 220, 255
 Nodules, pulmonary, use of computed tomography in detection of, 345
 Nolly HL, 424
 Noonan's syndrome, congestive cardiomyopathy in, 661
 Normal-renin hypertension: aldosterone regulation in essential hypertension; altered adrenal responsiveness to angiotensin II, 312
 Norwich RC, 358
 Nosology of pulmonary vasculitides; editorial, 520
 Nowaczynski W, 291

Obstruction: cardiac lymphatic; ultrastructure of acute-phase myocardial injury in dogs, 785
 pyloric antral mucosal webs, 650
 Obstructive pulmonary disease, chronic; evaluation of patient education program for, 106
 Occlusion, complete, of left main coronary artery and importance of coronary collateral circulation, 742
 O'Connell EJ, 497
 O'Duffy JD, 35
 Offord KP, 220
 Of Guillaume Dupuytren, who feared nothing but mediocrit; historical vignette, 819
 Olmsted County: esophageal carcinoma in Olmsted County, Minnesota, 1935-1971, 24
 Olsen AM, 97
 On editorials; editorial, 254
 Ophthalmologic manifestations of Wilson's disease, 409
 Optic nerve: primary intraorbital meningioma with intraocular extension, 504
 Orchitis, mumps, incidence and outcome of, in Rochester, Minnesota, 1935 to 1974, 3
 Oropharyngeal contamination: should yeasts in respiratory secretions be identified?, 42
 Orthostatic hypotension, incidence of, in patients with primary affective disorders treated with tricyclic antidepressants, 509
 Osteoporosis: results after hemiarthroplasty of hip using cemented femoral prosthesis; review of 109 cases with average follow-up of 36 months, 349
 Otitis media: middle ear effusions; current concepts, with literature review, 497
 Otolaryngology: human nasal cycle, 28
 Ott BJ, 806
 Outpatient medical care following hospital dismissal after myocardial infarction; quality-of-care assessment, 220
 Ovarian hematoma complicating anticoagulant therapy, 19
 Ovariectomy, first five cases of, 1809 to 1818; Ephraim McDowell, 125
 Owen CA Jr, 73, 238

Pacemaker, distal His, responsive to autonomic stimuli, intra-His block with, 46
 Pacing, transesophageal atrial, in Wolff-Parkinson-White syndrome, 576
 Pain: measurements of autonomic function before, during, and after transcutaneous stimulation in patients with chronic pain and in control subjects, 228

Pairolo PC, 186
 Paiva ACM, 427
 Paiva TB, 427
 Palsies, analysis of trochlear nerve; diagnosis, etiology, and treatment, 11
 Palumbo PJ, 711
 Papillary tumor, congenital, of tricuspid valve; unusual cause of right ventricular outflow obstruction in neonate with trisomy E, 665
 Parkinson D, 492
 Pathogenesis of hypertension: adrenergic nervous system and hypertension; state of art, 361
 Pathogenic factors involved in renovascular hypertension, 417
 Patterns of dystonia ("I-D-I" and "D-I-D") in response to L-dopa therapy for Parkinson's disease, 163
 Payne WS, 35
 Pelvic floor, tension myalgia of, 717
 Pemphigoid, bullous and cicatricial; clinical, histopathologic, and immunopathologic correlations, 54
 Peñaloza D, 442
 Penetration of small intestinal mucosa by asbestos fibers, 809
 Penicillamine: ophthalmologic manifestations of Wilson's disease, 409
 Penicillins, 616
 Peripheral arteriovenous fistula; detection by contrast echocardiography, 186
 Person JR, 54
 Peruvian study: altitude and hypertension, 442
 Phenotype: introduction to blood group genetics, 136
 Pheochromocytoma: frequency of surgical treatment for hypertension in adults at the Mayo Clinic from 1973 through 1975, 549
 Phyliky RL, 746
 Physiologic mechanisms of bupicamide- and hydralazine-induced increase in plasma renin activity in hypertensive patients, 430
 Pineda AA, 153, 157, 160
 Pituitary gonadotropin-hypothalamic-endocrine dysfunction in anorexia nervosa, 711
 Piwnoska A, 465
 Planning and scanning; editorial, 586
 Plasma renin: activity in hypertensive patients, physiologic mechanisms of bupicamide- and hydralazine-induced increase in, 430
 vascular renin-like activity and blood pressure, 437
 Platelet function: quantitative bleeding time (hemorrhagometry); review, 238
 Pleuropulmonary manifestations of ankylosing spondylitis, 641
 Pluth JR, 85, 723, 824
 Pneumonia, sporadic case due to legionnaires' disease, 657
 Poisoning, acetaminophen, hepatotoxicity in, 246
 Polesky HF, 136
 Polymorphonuclear leukocytes: abnormal chemotaxis in patients with cutaneous anergy, 196
 Polytetrafluoroethylene laminated trileaflet valves in animals, function of expanded, 770
 Population studies: malignant melanoma in resident population of Rochester, Minnesota, 191
 Postural hypotension: incidence of orthostatic hypotension in patients with primary affective disorders treated with tricyclic antidepressants, 509
 Pratt JH, 125, 175
 Preface, blood group symposium, 135
 Primary biliary cirrhosis, hepatic subcellular distribution of copper in; comparison with other hyperhepatocupric states and review of literature, 73
 Primary intraorbital meningioma with intraocular extension, 504
 Pritchard DA, 186
 Process method: quality-of-care assessment; outpatient medical care following hospital dismissal after myocardial infarction, 220
 Programmed ventricular stimulation in management of recurrent ventricular tachycardia, 731
 Prolonged follow-up in diabetic retinopathy treated by sectioning pituitary stalk, 233
 Prophylactic use of antimicrobial agents, 701
 Prostaglandins, hypertension and interrelated renal circulatory effects of, and the renin-angiotensin system, 462
 Prosthetic heart valve, another?; editorial, 824
 Prosthetic valves: coryneform bacterial endocarditis; difficulties in diagnosis and treatment, presentation of three cases, and review of literature, 216
Haemophilus endocarditis; report of 14 patients, 209
 Protease inhibitors: neonatal hepatitis and alpha-1-antitrypsin deficiency; prognosis in five patients, 241
 Protein synthesis: assessment of cell-mediated immunity in acute allograft rejection in man; prospective study, 101
 Protein turnover: Meniere's disease; effect of medical and surgical vagotomy, 91
 Pruitt RD, 588, 751
Pseudomonas aeruginosa: antimicrobial susceptibility of gentamicin-resistant, 802
 gentamicin-resistant; Mayo Clinic experience, 1970-1976, 797
 PRSO—are we getting our money's worth?; editorial, 468
 Psychiatric consultation in chronic pain patient, 793
 Psychiatric disorder: tobacco chewing; unusual case of drug dependence, 358
 Psychosomatic medicine: autogenic biofeedback treatment for migraine, 776
 Pulmonary disease, chronic obstructive; evaluation of patient education program for, 106
 Pulmonary nodules, use of computed tomography in detection of, 345
 Pulmonary vasculitides, nosology of; editorial, 520
 Purpura, vitamin K-responsive coagulopathy in Hénoch-Schönlein, 746
 Pyloric antral mucosal webs, 650

Quality of care, assessing; editorial, 255
 Quality-of-care assessment. II. Outpatient medical care following hospital dismissal after myocardial infarction, 220
 Quantitative bleeding time (hemorrhagometry); review, 238

Raab DE, 97
 Radiation: carcinoma of endometrium; Mayo Clinic experience, 175
 Radioimmunoassay: urinary kallikrein in rats bred for susceptibility and resistance to hypertensive effect of salt and in New Zealand genetically hypertensive rats, 465
 Ramírez MA, 383
 Randall O, 379
 Recovery of group A and nongroup A β -hemolytic streptococci from throat swab specimens, 81

Rectal pain: tension myalgia of pelvic floor, 717
 Recurrent ventricular tachycardia, programmed ventricular stimulation in management of, 731
 Red cell antigens: blood transfusion for patient who is difficult to transfuse, 160
 Kell blood group, Kx antigen, and chronic granulomatous disease, 150
 Reese DF, 181
 Reflections on indenturing of medical students; editorial, 751
 Rejection, allograft, in man, assessment of cell-mediated immunity in acute; prospective study, 101
 Renal artery stenosis: frequency of surgical treatment for hypertension in adults at the Mayo Clinic from 1973 through 1975, 549
 Renal circulatory effects of prostaglandins, interrelated, and hypertension and the renin-angiotensin system, 462
 Renal disease: clinical features and management of cystinuria, 533
 end-stage, in diabetic, 335
 juvenile nephronophthisis and medullary cystic disease, 485
 Renal failure, end-stage, in juvenile diabetes mellitus; 5-year follow-up of treatment, 281
 Renal hemodynamics in arterial hypertension, effect of guanidine on systemic and, 383
 Renal insufficiency, antimicrobial agents in patients with, 704
 Renal kallikrein system, volemia, and renal hypertension, 459
 Renin: half-life of circulating, under different experimental conditions, 424
 sympathetic nerve hyperactivity in high-renin hypertension; effects on saralasin infusion, 369
 Renin-like activity, vascular, and blood pressure, 437
 Renovascular hypertension, pathogenic factors involved in, 417
 Repair of atrioventricular canal associated with membranous subaortic stenosis, 121
 Respiratory secretions, should yeasts be identified?, 42
 Response to drugs: patterns of dystonia ("I-D-I" and "D-I-D") in response to L-dopa therapy for Parkinson's disease, 163
 Response system, student; 5-year Mayo Medical School experience, 556
 Ressegue LJ, 191
 Results after hemiarthroplasty of hip using cemented femoral prosthesis; review of 109 cases with average follow-up of 36 months, 349
 Retinopathy, diabetic, treated by sectioning pituitary stalk, prolonged follow-up in, 233
 Rh and Duffy blood group genes to chromosome 1, mapping assignment of, 145
 Rhinomanometry: human nasal cycle, 28
 Rhodes KH, 153, 707
 Rh system; genetics and function, 141
 Rifampin, streptomycin, ethambutol, isoniazid; antituberculosis agents, 694
 Right atrioventricular valve, straddling, in criss-cross atrioventricular relationship, 561
 Riman EL, 85, 742
 Ritter DG, 561, 569
 Ritter RE Jr, 101, 196
 Roberts GD, 42
 Roentgenography: clinical evaluation of computerized tomographic mammography, 181
 value of gastroscopy in clinical diagnosis; computer-assisted study, 806
 Roentgen videometry: complete occlusion of left main coronary artery and importance of coronary collateral circulation, 742
 Rogers RS III, 54, 746
 Rojo-Ortega JM, 291

Role of calcium in response of rabbit aorta to angiotensin, 427

Role of 18-hydroxy-11-deoxycorticosterone and 16 α ,18-dihydroxy-11-deoxycorticosterone in hypertension, 317

Role of naturally occurring vasoactive principles in hypertension, 449

Romero JC, 289, 462

Rosas R, 459

Rosenbaum AH, 509

Rosenblatt JE, 611

Rosenow EC III, 641

Ruiz L, 442

Russell IJ, 91

Rutherford BD, 220

Saavedra JM, 391

Saccharin; bittersweet alternatives; editorial, 400

Salpingo-oophorectomy: carcinoma of endometrium; Mayo Clinic experience, 175

Scanning and planning; editorial, 399

Scicli AG, 465

Selection of medical students; case for imponderable qualities; editorial, 588

Sennett JA, 329

Septal accessory pathways: transesophageal atrial pacing in Wolff-Parkinson-White syndrome, 576

Serum dopamine- β -hydroxylase activity and blood pressure, 374

Seward JB, 186, 561

Sharbrough FW, 761

Sharpless NS, 163

Should yeasts in respiratory secretions be identified?, 42

Sieg K, 561, 569

Sierra P, 383

Sinaki M, 717

Skeletal malformations: congestive cardiomyopathy in Noonan's syndrome, 661

Skin disease: bullous and cicatricial pemphigoid; clinical, histopathologic, and immunopathologic correlations, 54

Slaton PE, 329

Smith J, 91

Smith LH, 533

Snyder SK, 246

Sociology, medical, for whom?, 813

Somatic immobility: concussion, 492

Somatic medicine: autogenic biofeedback treatment for migraine, 776

Spanos PK, 121

Sphincter: achalasia in three siblings; rare occurrence, 97

Spondylitis, ankylosing: extra-articular manifestations of; editorial, 655

pleuropulmonary manifestations of, 641

Sporadic case of pneumonia due to legionnaires' disease, 657

Sputum cultures, bacterial; clinician's viewpoint, 39

Stalk, pituitary, prolonged follow-up in diabetic retinopathy treated by sectioning, 233

Stenosis, membranous subaortic, repair of atrioventricular canal associated with, 121

Steroids: feminizing adrenal adenoma in boy; case report and literature review, 354

mineralocorticoid hypertension in childhood, 323

Stickler GB, 241, 485

Stillwell GK, 717

Stockard JE, 761

Stockard JJ, 761

Stomach: value of gastroscopy in clinical diagnosis; computer-assisted study, 806

Stonnington HH, 750

Storeygaard AR, 809

Straddling right atrioventricular valve in criss-cross atrioventricular relationship, 561

Streptococci, recovery of group A and non-group A β -hemolytic, from throat swab specimens, 81

Streptomycin, ethambutol, isoniazid, rifampin; antituberculosis agents, 694

Strimlan CV, 641

Stroke: carotid and vertebral-basilar transient cerebral ischemic attacks; community study, Rochester, Minnesota, 117

Strong CG, 289, 462, 585

Stroup M, 141

Student response system; 5-year Mayo Medical School experience, 556

Subcellular distribution of copper, hepatic, in primary biliary cirrhosis; comparison with other hyperhepatocupric states and review of literature, 73

Subject review: middle ear effusions; current concepts, with literature review, 497

Suicide: hepatotoxicity in acetaminophen poisoning, 246

Sun SC, 785

Sunflower cataracts: ophthalmologic manifestations of Wilson's disease, 409

Sunlight: malignant melanoma in resident population of Rochester, Minnesota, 191

Supraventricular tachycardia: transesophageal atrial pacing in Wolff-Parkinson-White syndrome, 576

Surgeon Ephraim McDowell; first five cases of ovariotomy, 1809 to 1818, 125

Surgery: prophylactic use of antimicrobial agents, 701

Surgically correctable causes of hypertension; editorial, 585

Surgical treatment for hypertension in adults at the Mayo Clinic from 1973 through 1975, frequency of, 549

Survival predictors in coronary artery disease; medical and surgical comparisons, 85

Sutor AH, 238

Sutula F, 11

Swanson DW, 793

Symposium on antimicrobial agents: aminoglycosides; streptomycin, kanamycin, gentamicin, tobramycin, amikacin, neomycin, 675

antibiotic therapy for severe infections in infants and children, 707

antifungal agents used for deep-seated mycotic infections, 687

antimicrobial agents in patients with renal insufficiency, 704

antimicrobials commonly used for urinary tract infection; sulfonamides, trimethoprim-sulfamethoxazole, nitrofurantoin, nalidixic acid, 680

antituberculosis agents; isoniazid, rifampin, streptomycin, ethambutol, 694

antiviral agents, 683

cephalosporins, 625

foreword, 601

general principles of antimicrobial therapy, 603

laboratory tests used to guide antimicrobial therapy, 611

penicillins, 616

prophylactic use of antimicrobial agents, 701

tetracyclines, chloramphenicol, erythromycin, and clindamycin, 635

vancomycin, 631

Symposium on blood groups: blood transfusion for patient who is difficult to transfuse, 160

chronic granulomatous disease and McLeod phenotype; successful treatment of infection with granulocyte transfusions resulting in subsequent hemolytic transfusion reaction, 153

erythrocyte morphology in genetic defects of Rh and Kell blood group systems, 157

introduction to blood group genetics, 136

Kell blood group, Kx antigen, and chronic granulomatous disease, 150

mapping assignment of Rh and Duffy blood group genes to chromosome 1, 145

preface, 135

Rh system; genetics and function, 141

Symposium on hypertension: adrenergic nervous system and hypertension; state of art, 361

agreement among three different indices of sympathetic nervous system activity in essential hypertension, 379

aldosterone regulation in essential hypertension; altered adrenal responsiveness to angiotensin II, 312

altitude and hypertension, 442

animal models, hypertension, and central nervous system mechanisms, 387

are there unknown mineralocorticoids in low-renin essential hypertension?, 329

biochemical and morphologic study of catecholamine metabolism in spontaneously hypertensive rats, 391

central nervous system actions of clonidine in hypertension, 395

continuous measurement of aortic caliber in conscious rats; effect of acute hypertension, 433

effect of guanidine on systemic and renal hemodynamics in arterial hypertension, 383

foreword, 289

half-life of circulating renin under different experimental conditions, 424

hypertension and interrelated renal circulatory effects of prostaglandins and the renin-angiotensin system, 462

mineralocorticoid hypertension in childhood, 323

new approaches to study of angiotensin tachyphylaxis, 446

new aspects of aldosterone regulation, 308

pathogenic factors involved in renovascular hypertension, 417

physiologic mechanisms of bupivacaine- and hydralazine-induced increase in plasma renin activity in hypertensive patients, 430

renal kallikrein system, volemia, and renal hypertension, 459

role of adrenal cortex in human essential hypertension; keynote address, 291

role of calcium in response of rabbit aorta to angiotensin, 427

role of 18-hydroxy-11-deoxycorticosterone and 16 α ,18-dihydroxy-11-deoxycorticosterone in hypertension, 317

role of naturally occurring vasoactive principles in hypertension, 449

serum dopamine- β -hydroxylase activity and blood pressure, 374

sympathetic nerve hyperactivity in high-renin hypertension; effects of saralasin infusion, 369

urinary kallikrein in rats bred for susceptibility and resistance to hypertensive effect of salt and in New Zealand genetically hypertensive rats, 465

vascular renin-like activity and blood pressure, 437

Systemic vasculitis: vitamin K-responsive coagulopathy in Henoch-Schönlein purpura, 746

Tachycardia, programmed ventricular stimulation in management of recurrent ventricular, 731

Tachyphylaxis, new approaches to study of angiotensin, 446

Tajik AJ, 112, 186

Takahashi H, 354
 Taquini AC, 437
 Taswell HF, 135, 153, 157, 160
 Tension myalgia: editorial, 750
 of pelvic floor, 717
 Terragno A, 449
 Terragno NA, 449
 Testicular tumors: incidence of malignant, in population of Rochester, Minnesota, 1935 through 1974, 8
 incidence and outcome of mumps orchitis in Rochester, Minnesota, 1935 to 1974, 3
 Tetracyclines, chloramphenicol, erythromycin, and clindamycin, 635
 Therapeutic efficacy: antibiotic therapy for severe infections in infants and children, 707
 Therapy: antimicrobial; triumphs and challenges; editorial, 654
 general principles of antimicrobial, 603
 Thistle JL, 35
 Thompson RL, 625
 Throat swab specimens, recovery of group A and nongroup A β -hemolytic streptococci from, 81
 Thrombocytopenia: quantitative bleeding time (hemorrhagometry); review, 238
 Thyroidal C-cell disease: alimentary tract manifestations of multiple endocrine neoplasia, type 2b, 543
 Tobacco chewing; unusual case of drug dependence, 358
 Tobramycin, amikacin, neomycin, streptomycin, kanamycin, gentamicin; aminoglycosides, 675
 Tomographic mammography, clinical evaluation of computerized, 181
 Tomography, use of computed in detection of pulmonary nodules, 345
 Topical antimicrobials: prophylactic use of antimicrobial agents, 701
 Toxicity: antimicrobial agents in patients with renal insufficiency, 704
 Transcutaneous stimulation, measurements of autonomic function before, during, and after, in patients with chronic pain and in control subjects, 228
 Transesophageal atrial pacing in Wolff-Parkinson-White syndrome, 576
 Transfusion, blood, for patient who is difficult to transfuse, 160
 Transient cerebral ischemic attacks, carotid and vertebral-basilar; community study, Rochester, Minnesota, 117
 Transplantation: end-stage renal failure in juvenile diabetes mellitus; 5-year follow-up of treatment, 281
 Transposition: criss-cross heart; detailed anatomic description and discussion of morphogenesis, 569
 Transtracheal aspiration: bacterial sputum cultures; clinician's viewpoint, 39
 Tressler HA, 349
 Tricuspid valve, congenital papillary tumor of; unusual cause of right ventricular outflow obstruction in neonate with trisomy E, 665
 Tricyclic antidepressants, incidence of orthostatic hypotension in patients with primary affective disorders treated with, 509
 Trileaflet valves in animals, function of expanded-polytetrafluoroethylene laminated, 770
 Trimethoprim-sulfamethoxazole, nitrofurantoin, nalidixic acid, sulfonamides; antimicrobials commonly used for urinary tract infection, 680
 Trochlear nerve palsies, analysis of; diagnosis, etiology, and treatment, 11
 Tucker RM, 549
 Tumors: esophageal carcinoma in Olmsted County, Minnesota; 1935-1971, 24
 Tyce GM, 163
 Ultrastructural and light microscopic localization and electrophysiologic correlations of immune complexes (IgG and C3) at motor end-plate in myasthenia gravis, 267
 Ultrastructure of acute-phase myocardial injury in dogs; cardiac lymphatic obstruction, 785
 Urinary kallikrein in rats bred for susceptibility and resistance to hypertensive effect of salt and in New Zealand genetically hypertensive rats, 465
 Urinary tract infection, antimicrobials commonly used for; sulfonamides, trimethoprim-sulfamethoxazole, nitrofurantoin, nalidixic acid, 680
 Urolithiasis: clinical features and management of cystinuria, 533
 Use of computed tomography in detection of pulmonary nodules, 345
 Vagotomy, effect of medical and surgical in Meniere's disease, 91
 Value of gastroscopy in clinical diagnosis; computer-assisted study, 806
 Valve: congenital papillary tumor of tricuspid; unusual cause of right ventricular outflow obstruction in neonate with trisomy E, 665
 diastolic opening of aortic; echographic observation, 112
 Valvular pulmonic stenosis: congestive cardiomyopathy in Noonan's syndrome, 661
 Vancomycin, 631
 coryneform bacterial endocarditis; difficulties in diagnosis and treatment, presentation of three cases, and review of literature, 216
 Van Den Berg CJ, 533
 Van Heerden JA, 650
 Van Scoy RE, 39, 42, 216, 694, 701, 704
 Vascular renin-like activity and blood pressure, 437
 Vasculitis, nosology of pulmonary; editorial, 520
 Vasculitis: allergic granulomatosis and angiitis (Churg-Strauss syndrome); report and analysis of 30 cases, 477
 Vasoactive principles in hypertension, role of naturally occurring, 449
 Velasco M, 430
 Ventricles: relationships: criss-cross heart; detailed anatomic description and discussion of morphogenesis, 569
 Ventricular ejection fraction: survival predictors in coronary artery disease; medical and surgical comparisons, 85
 Ventricular function: complete occlusion of left main coronary artery and importance of coronary collateral circulation, 742
 Ventricular stimulation, programmed, in management of recurrent ventricular tachycardia, 731
 Vertebral-basilar and carotid transient cerebral ischemic attacks; community study, Rochester, Minnesota, 117
 Vertex-positive potentials: detection and localization of occult lesions with brainstem auditory responses, 761
 Vignette, historical: Ephraim McDowell; first five cases of ovariotomy, 1809 to 1818, 125
 Villarreal H, 383
 Virus: antiviral agents, 683
 Visceral immobility: concussion, 492
 Visual acuity: prolonged follow-up in diabetic retinopathy treated by sectioning pituitary stalk, 233
 Vitamin K-responsive coagulopathy in Henoch-Schönlein purpura, 746
 Vivisection: first 100 years of antivivisection—1824 to 1924, 257
 Vlietstra RE, 85
 Volemia, renal kallikrein system, and renal hypertension, 459
 Von Willebrand's disease: quantitative bleeding time (hemorrhagometry); review, 238

Wahner HW, 91
 Wallace RB, 85, 233
 Washington JA II, 81, 209, 216, 254, 797, 802
 Webs, pyloric antral mucosal, 650
 Weinshilboum RM, 289, 374
 Whisnant JP, 117
 Wiebers DO, 409
 Wilkowske CJ, 209, 616
 Williams GH, 312
 Wilson DM, 533
 Wilson HM, 329
 Wilson WR, 196, 209, 254, 635, 704
 Wilson's disease, ophthalmologic manifestations of, 409
 Wimer BM, 157
 Winkelmann RK, 191
 Wold AD, 81
 Wolff-Parkinson-White syndrome, transesophageal atrial pacing in, 576
 Woods JE, 101

X-ray: clinical evaluation of computerized tomographic mammography, 181
 value of gastroscopy in clinical diagnosis; computer-assisted study, 806

Yarbro L, 329
 Yeasts in respiratory secretions should be identified?, 42
 Younge BR, 11
 Yu PKW, 802

Zimmerman BR, 233
 Zweifler A, 379

